MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00			30.00 mts	Carried
		@ Rs	53.00/mts				1590.00/-
Item No:	31 Supplying TPTP ST with detachable circular channels in SM unclosed made out of 1HSHG powder coated paint of approved colour 32AMPS Earth A						
		1	1.00			1.00 No	Carried
		@ Rs	1868.00/No				1868.00/-
Item No:	32 Supplying & fixing 20" x 20" x 2.5" polished wood board made up not less than 15cm thick blank with front blank using through bolts & Nuts						
		1	1.00			1.00 No	Carried
		@ Rs	302.00/No				302.00/-

M. A. R. 57 (Rule 116) No. D

Measurement Book

Serial No. .....

67441

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item No:	33 Supplying & wiring adopting loop system in existing PVC conduits/ casing capping using copper PVC insulated multi strand 2 x 1.5 Sq mm copper wire round block complete for each outlet						
	a) Short point upto 3 mts from tapping point to out let via switch					1 No.	Carried
		1	1.00				
		@ Rs	176.00/No				176.00/-
	b) long point upto 6 mts upto 10 mts from tapping point to out let via switch						
		1	1.00			1.00 No	
		@ Rs	379.50/No				380.00/-
							Carried

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MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item No: 34	Supplying GI flush / Projected type surface switch with Sunlock flush mounting with a switching metal body capacity 16Amps 250V AC required.	1	2 m			1 No	Survey
		Est	116.66/No				117.00/-
Item No: 35	Wiring for lighting / power circuit using 1.5 sq mm PVC insulated FRLS single core cable in PVC conduit through RCC wall/floor/roof including cutting chasing	1	2 m			1 No	Survey
		Est	42.00/No				42.00/-
Item No: 36	Supplying fixing 16A 1 way metal straight flat plate type modular switch & socket outlet with 16A 3 pin socket & 6A 2 pin socket on modular wooden board						

M. A. R. 57 (Rule 116)
Measurement Book

No. D

67445

Serial No. _____

Name of work _____ From _____ To _____

Name of Contractor of nature of Agency _____

Date of commencement of work _____

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6		8
		1	1.00			1 No	Survey
		Est	61.66/No				62.00/-
Item No: 37	Supplying & fixing LED type panel board illuminating lamp with required colour suitable for 230V AC 50 Hz 12/24V DC	1	1.00			1 No	Survey
		Est	43.00/No				43.00/-
Item No: 38	Supplying & fixing porcelain fuse channel with fuse unit on the existing wooden block & wiring complete 32 Amps						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	1.00			1.00 No	carried
		@ Rs	180.00 /No				180.00/-
Item No: 38	Supplying & fixing miniature Circuit Breakers / Isolators on existing MCB Distribution boards complete as required 3# AmPS						
		1	1.00			1.00 No	carried
		@ Rs	1105.50/No				1106.00/-
Item No: 40	Supplying & fixing class-A (medium duty) - GI pipe wall thickness not less than 3.25mm on pole for UG cable of 1.1 KV class 65mm.						
		1	9.00			9.00 Mtrs	carried
		@ Rs	585.00 /Mtr				5265.00/-

M. A. R. 57 (Rule 116) No. D

Measurement Book

67446

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item No: 41	Digging of trench of 0.6m wide x 0.50mts deep in all kinds of soil as required ground level complete as per specification & direction of the Engineer-in-charge.						
		1	47.00			47.00 mts	carried
		@ Rs	105.00/mtr				4932.00/-
Item No: 42	Supplying laying of 1.1 KV class LT UG cable having aluminium conductor PVC insulated extruded inner sheath galvanised steel strip (except 2CX10 Sq.m.m wire armoured of Cable A 3 core 185 to 25 Sq.m.m.						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	20.00			20.00 mts	Carried
		@ Rs	165.60	/mts			3312.00/-
	Item No. 43 labour charges for laying of 1.1 KV class UG Cable 6 Sq.mm to 16 Sq.mm						
		1	20.00			20.00 mts	Carried
		@ Rs	10.80	/mts			216.00/-
	Item No. 44 Supplying & fixing of heavy duty cable glands suitable for UG Cable of 1.1 KV Class (metal only) 25 mm dia						
		1	2.00			2.00 Nos.	Carried
		@ Rs	72.60	/No			145.00/-

M. A. R. 57 (Rule 116) No. D 67447

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No. 45 Supplying & fixing LT Cast iron foot heads suitable for 1.1 KV class UG Cable filled with necessary bitumen / insulating compound complete as per specifications						
		1	2.00			2.00 Nos	Carried
		@ Rs	280.00	/No			560.00/-
	Item No. 46 Supplying & fixing wiring, earth electrode for grounding conduits, cutouts & other equipments on the meter board using 40 mm dia 2.50 mm thick GI pipe 2.5 mts long buried in a pit ... The pit should be filled with equal proportion iron washers & chucknuts etc the pipe shall have 6 through holes of 12.2 mm dia						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	1.00			1.00 No	Carried
		@ Rs	2727.00 /No				2727.00/-
Item No:-	47 Supplying fixing & wiring electronic 10 to 40 Amps 3 phase 4 wire class-1 accuracy energy meter Group A.						
		1	1.00			1.00 No	Carried
		@ Rs	4532.00/No				4532.00/-
Item No:-	48 Supplying 1 x 36/40 Watts decorative Horizontal type Street light fluorescent fitting weather & rain proof Complete Group A energy Saving electronic Ballast 230/250 volts 50 cycles AC Supply with opal Ducted perspex cover at bottom Complete fitting						

M. A. R. 57 (Rule 116) **No. D**

Measurement Book

Serial No. .....

67448

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	1.00			1.00 Nos	Carried
		@ Rs	1501.50/No				1502.00/-
Item No:-	49 Supplying & fixing 25/32 mm dia class A GI pipe Bracket upto 2 mtrs long bend at suitable angle & fixing to the Bracket 1 x 4012 x 40 Watts nuts & boring using suitable capacity wire Complete.						
		1	12.00			12.00 No's	Carried
		@ Rs	671.00/No				8052.00/-
Item No:-	50 providing Reverse Osmosis System to Cover 2000 litres of High TDS water						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	per hour.						
	Flow Rate						
	Feed water 5000LPH						
	Treated water 3000LPH						
	Rejected water 2000LPH.						
a)	Raw water pump						
b)	Sand media filter						
c)	Activated carbon filter						
	Dosing System						
d)	micron filter						
e)	High pressure pump.						
	RO cleansing System						

M. A. R. 57 (Rule 116)
Measurement Book

No. D

67449

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
f)	electrical panel.						
g)	instrumentation.						
h)	PH dosing System.						
	~~Electrical work~~.	1	1.00			1.00 Nos	
		@ Rs 860000.00/No.					860000.00/-
	Electrical work (R.O plant work).						Rs.
Item No 1-51	Supplying & wiring adopting	book System	in existing	PVC conduit/casing			

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	using Copper PVC insulated multi Strand 2 X 1.50 Sq mm Copper wire with 6 Amps Round block complete for each outlet.						
	b) medium point above 3 mtrs upto 6 mtrs from tapping point outlet via Switch						
		1	2.00			2.00 Nos.	Contd.
		@ Rs.	175.00	/No			350.00/-
	c) long point above 6 mtrs upto 10 mtrs from tapping point outlet via Switch						
		1	2.00			2.00 Nos	Contd.
		@ Rs.	175.00	/No			350.00/-
Item No. 52	Supplying 6A flush / protected type Socket & 6A Amps flush / protected type SP Switch with Surface mounting in a going box & in a room						

M. A. R. 57 (Rule 116) No. D
Measurement Book

67450

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Thick plastic using necessary Capacity wire as required.						
		1	4.00			4.00 Nos.	Contd.
		@ Rs.	91.00	/No			364.00/-
Item No. 53	Supplying & flush mounting teak wooden box without flank made of not less than necessary masonry patch work complete.						
	a) 4" x 4" x 3"	1	4.00			4.00 Nos	Contd.
		@ Rs	44.00	/No			176.00/-

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	b) 12"×12"×3"	1	12.00			12.00 Nos	
	@ Rs 98.00/No						1176.00/-
	c) 10"×7"×3"	1	12.00			12.00 Nos	Carried
	@ Rs 68.00/No						816.00/-
Item No:-54	Supplying 4 mm thick plastic sheet with necessary clutches for fixing Switches Regulator etc & fixing on existing wooden & metal box using S.F Screws.	1	4000.00			4000.00 Sqcm	Carried
	@ Rs 0.22/ Sqcm						880.00/-
Item No:-55	extra for groove cutting, plastering & colour, washing for embedding PVC Conduit / GI pipe for upto 50mm Conduit including chuck in wall						

M. A. R. 57 (Rule 116) No. D 67451
Measurement Book

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2	10.00			20.00 Rmt	Carried
	@ Rs 14.00/Rmt						280.00/-
Item No:-56	Supplying 20mm dia 2mm thick heavy gauge PVC Conduit pipe with suitable size Junction metal Junction boxes, adhesive plastic etc, and Running bfdn concreting the Slab PVC enclosures & Run with 18 SWG GI fish wire throughout the Conduit wherever necessary	2	10.00			20.00 Rmt	
	@ Rs 32.00/Rmt						640.00/-

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item No:-57	Supplying fixing PBBC (Bakelite Straight Pleat batten holder & wiring within 60W) 230 volts lamp.						Covered
		2	2.00			2.00 Nos	
		@ Rs	60.00	No		———	120.00/-
Item No:-58	Supply batty type flameproof tube light fitting read out of M.S Sheet & Steel enameled with loss open construction copper wound use on 230 volts AC Supply including fluorescent tube.						Covered
		1	4.00			4.00 Nos	
		@ Rs	400.00	No		———	1600.00/-
Item No:-59	wiring for lighting/ power Circuit using one of PVC insulated 1100V						Covered

M. A. R. 57 (Rule 116) No. D
Measurement Book

67452

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	grade, multistrand copper conductor Single core cable system of wiring						open & concealed Covered
		6	5.00			30.00 Rmts	
		@ Rs	15.00	Rmts		———	450.00/-
Item No:-60	Supplying & fixing cast aluminium covered & strong type bulk head fitting with GI wire guard glass cover with 60/100 watts 230V lamp as required.						
		1	4.00			4.00 Nos	
		@ Rs	219.00	/No		———	876.00/-

Checked
08.12.2019

Covered

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item No:-	61 Supplying & fixing piping, earth electrode for grounding Conduits DC outlets & other equipments on the meter board using 40mm dia & 2.90mm thick GI pipe 2.5mts long buried in a pit the pit should be filled with equal proportion using 12mm dia bolts, nuts washers & checknuts etc the pipe shall have of 100mm dia.						
		1	1.00			1.00 No	
		@ RS	2727.00/No				2727.00/-
					bill amount ⇒		1191918.00/-
			KRIDL	Charges @ 9% ⇒			107273.00/-
				Total amount ⇒			1299191.00/-

09/12/19

M. A. R. 57 (Rule 116)
Measurement Book

No. D 67453

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Twelve lakhs ninety nine thousand one hundred & ninety one Rupees only.						

Certificate

1) The work spot has been inspected & found to be necessary.

2) The work spot comes under BBMP limits

3) The provisions made in the estimate are necessary & minimum.

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09/12/19

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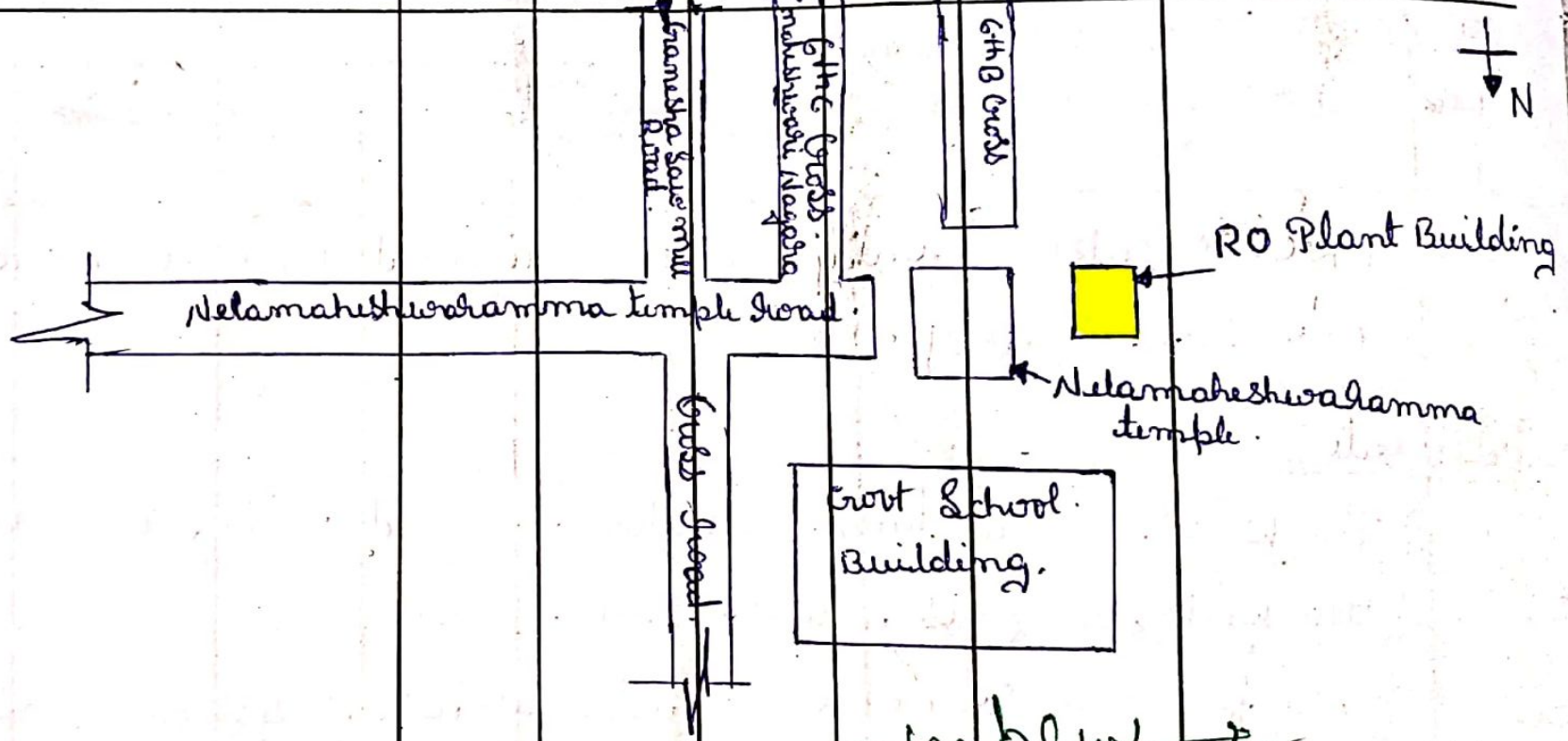
MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



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ಜ. ದಾಸರಹಳ್ಳಿ ಉಪ ವಿಭಾಗ
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